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DOCKET NO.: T00457.70003.US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tao T. Tao and Wei Bai  
Serial No: 09/837,864  
Confirmation. No.: 7511  
Filed: April 18, 2001  
For: ELECTROCHEMICAL DEVICE AND METHODS FOR  
ENERGY CONVERSION

Examiner: Martin, Angela J.  
Art Unit: 1745

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 28<sup>th</sup> day of July, 2003.

Douglas B. Pino  
Signature

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Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- ☒ Response to Restriction Requirement
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

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A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,  
*Tao T. Tao and Wei Bai, Applicants*

By: 

Timothy J. Oyer, Ph.D., Reg. No.: 36,628  
Tani Chen, Sc.D., Reg. No.: 52,728  
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Telephone: (617)720-3500

Docket No. T00457.70003.US  
Date: July 25, 2003  
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ATTORNEY'S DOCKET NO.: T00457.70003.US

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail, with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on the 25<sup>th</sup> day of July, 2003.

*Dyane B. Gino*  
Signature

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Commissioner for Patents  
Washington, D.C. 20231

**RESPONSE TO ELECTION/RESTRICTION REQUIREMENT**

Dear Sir:

In response to the Election/Restriction Requirement dated July 1, 2003, the Applicants elect group I, namely, claims 1-51, drawn to electrochemical device, classified in class 429, subclass 12, with traverse.

It is noted that claim 52 was not assigned to any group.

It is believed that at least claims 52 and 108 should be examined together with Group I. Although the claims do not recite identical subject matter, and the Applicants do not take the position that claim 108 or claim 52 and any claims of Group I are not patentably distinct from each other, the Applicants believe that the similarities between claims 52 and 108 and the claims

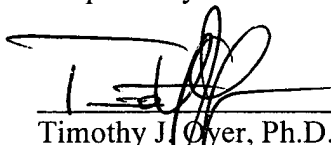
of Group I are such that no undue burden would exist on the Examiner in searching and examining, together, claims 1-51 and 108.

Applicants have also been asked to elect a specific solid-state electrolytic material in claim 13, a specific solid-state cathode material in claims 17, 19, or 22, a specific anode material in claim 28, and a specific fuel in claim 35. Applicants elect  $(\text{ZrO}_2)(\text{Y}_2\text{O}_3)_{0.08}$  for a solid-state electrolyte,  $\text{La}_{0.84}\text{Sr}_{0.16}\text{MnO}_3$  for a solid-state cathode material (see claim 20; i.e., A is Sr, and B and C are absent – both b and c are zero), tin for a specific anode material, and a carbonaceous material for a specific fuel.

Applicants have also been asked to list all claims that read on this species. The following claims appear to form a group commensurate with the species for search and examination purposes: 1-5, 8-16, 18-20, 23-42, 44-52, and 108. Claims other than those listed here may also be relevant to this species in certain cases.

If, for any reason, the Examiner is of the opinion that a telephone conversation with the Applicants' representative would expedite prosecution, the Examiner is kindly invited to contact the undersigned at 617-720-3500.

Respectfully submitted,



Timothy J. Oyer, Ph.D., Reg. No. 36,628  
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